

[illegible][illegible]

7.5 day mouse embryos reveals enrichment in the t-complex
and under-representation on the X chromosome, 1998, Hum
Mol Genet 7: 1967-1978.

BASE COUNT 156 a 215 c 223 g 190 t

ORIGIN

alignment_scores:

Quality: 41.00 Length: 41
Ratio: 1.000 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:

US-09-126-945b-2_copy_2_335 x HG072422/rev ..

Align seq 1/1 to reverse of: HG072422 from: 1 to: 784

293 AcdlysaanaProAlamelastryasplyleuSerFaiSerleAr 309
|||||
549 GGTAAAGAGGCTACCTATATATGATTAAGCTAAGGCGCTGACCG 500
309 gGAtATyTtTtGtSLySLySLyTtTtLleArTtSPROASpLleSerClARGL 326
|||||
499 GCACTATTAAGCAAGGCTATCATTCGTAACCGACATCTTCACAGCGC 450
326 GvAlATyTtGlnPhleValHISPro 333
|||||
449 TtStCTAACAAATTTGtGtCACTCA 427

seq_name: qb_est76:BE563288

seq_documentation_block:

LOCUS BE563288 933 bp mRNA 15-AUG-2000
DEFINITION M1344109f1 NIH-MD-39 Homo sapiens cDNA clone IMAGE:468402 c77
ACCESSION BE563288
VERSION BE563288.1 GI:9807100
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Granulata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini, Homiidae, Homin.
REFERENCE 1 (bases 1 to 933)
AUTHORS NIH-MD http://map.ncbi.nih.gov/
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: rgs@bbs.fda.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Ling Hong/Pubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LIM)
DNA Sequencing by: Invitrogen Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/IMG at:
http://image.llnl.gov
Plate: LINC384 row: c column: 03
High quality sequence stop: 678.

FEATURES

Source

1..933
Location/Qualifiers
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:468402"
/clone_1lb="NIH-MGC_39"
/tissue_type="adenocarcinoma"
/lab_host="DH10B (phage-resistant)"
/note="Organ: pancreas; Vector: pOTB7; Site_1: XhoI;
Site_2: EcoRI. cDNA made by oligo-dT priming
directionally cloned into EcoRI/XhoI sites using the
following 5' adaptor: GCGAGCGAG(G). Library constructed
by Ling Hong in the laboratory of Gerald M. Rubin
(University of California, Berkeley) using ZAP-cDNA
synthesis kit (Stratagene) and Superscript II RT (Life
Technologies).

BASE COUNT 148 a 316 c 319 g 150 t

ORIGIN

alignment_scores:

Quality: 40.00 Length: 54
Ratio: 0.755 Gaps: 1
Percent Similarity: 98.148 Percent Identity: 98.148

alignment_block:

US-09-126-945b-2_copy_2_335 x BE563288 ..

Align seq 1/1 to: BE563288 from: 1 to: 933

1 GlySerAlaSerProGlyLeuSerValSerProSerHisLeuLeu 17
|||||
398 GCGAGCGCGAGCGCGGCTCTGAGCAAGGTAAGCGGACGACGCTCGT 447
17 uProPAspThValSerArGthrGlyLeuGlyAlaAlaAla.Gly 33
|||||
448 GCGCGCGAGCAAGCGGCTCTGAGCAAGGTAAGCGGACGACGCTCGT 497
34 AlaValGlyLeuGluArGArGAsPTPSeProSerProAlaThrPr 50
|||||
498 GCACTGGGTCtCGAGAGAGCGAGACtGAGtCCAGtCCAGCGCGCACGCGC 547
50 GgLIgLIgLIg 53
|||||
548 GAGGCAAGCGCG 557

seq_name: qb_gss21:AZ090824

seq_documentation_block:

LOCUS AZ090824 174 bp DNA 08-MAY-2000
DEFINITION RPc1-23-765_TJ RPc1-23 Mus musculus genomic clone RPc1-23-765, DNA
sequence.
ACCESSION AZ090824
VERSION AZ090824.1 GI:7732867
KEYWORDS GSS.
SOURCE house mouse.
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Granulata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi, Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 174)
AUTHORS Zhao, S., Niemann, W., Feldblum, T., Maick, J., Shatsman, S., Altiret,
B., Levens, M., Megam, S., Tseng, G., Geer, K., Kroll, M., de Jong, P.,
and Fraser, C.M.
TITLE Mouse BAC End Sequences from Library RPc1-23
JOURNAL Unpublished (1999)
COMMENT Contact: Shouping Zhao
Department of Eukaryotic Genomics
The Institute for Genome Research
9712 Medical Center Dr., Rockville, MD 20850, USA
Tel: 301 838 0200
Fax: 301 838 0208
Email: szhao@lifet.org
Clones are derived from the mouse BAC library RPc1-23. For BAC
library availability, please contact Pieter de Jong
(pieter@dejong.med.buffalo.edu). Clones may be purchased from
BACPAC Resources (http://bacpac.med.buffalo.edu/orderframe.htm)
or from Pacea ch Genetics (info@pacea.com) BAC end page:
http://www.lifet.org/ldb/bac_ends/mouse/bac_end_intro.html
Plate: 7 row: c column: 5
Seq primer: SP6
Class: BAC ends.

FEATURES

Source

1..174
Location/Qualifiers
/organism="Mus musculus"
/strain="G57BL/6J"
/db_xref="taxon:10090"
/clone="RPc1-23-765"
/clone_1lb="RPc1-23"

/sex="female"
 /lab_host="DHI08"
 /note="Jordan: Kidney/Brain; Vector: pBAC3.6; Site_1:
 EcorI; Site_2: EcoRI; Female c57Bl/6J mouse kidney and/or
 brain genomic DNA was isolated and partially digested
 with a combination of EcoRI and EcoRI-Methylase. Site
 selected DNA was cloned into the pBAC3.6 vector at the
 EcorI sites. The ligation products were transformed into
 DHI08 electrocompetent cells (BRL Ligo Technologies)."

BASE COUNT 47 a 46 c 56 g 45 t
 ORIGIN
 alignment_scores:
 Quality: 44.00 Length: 34
 Ratio: 1.000 Gaps: 0
 Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
 US-09-126-945b-2_copy_2_335 x AZ090824/rev
 Align seq 1/1 to reverse of: AZ090824 from: 1 to: 174

400 AsnTyrAspIysIeGSerArgSerIleArgGlnTyrTyrIysIysGlyI 416
 |||||||
 171 AACATGATTAACCTAACGCGCCGACATTCACAAAGCGGCAT 122
 416 cTcAtGlySrrAspIleGsrGlnATyrGlnPhcValHisP 333
 |||||||
 121 CATTCTGAATCTGCAATCTTCACGCTTGTGTACCAATTGTGATC 72
 433 to 433
 11
 71 CA 70

seq_name: qb_gst24:A1745526

seq_documentation_block:

LOCUS A1745526 721 bp mRNA EST 17-DEC-1999
 DEFINITION wc14410.x1 NCI-CCAP-pr28 Homo sapiens cDNA clone IMAGE:2317050 3'
 similar to SW-ETS4_DROME P29775 DNA-BINDING PROTEIN D-ETS-4 ; mRNA
 sequence.

ACCESSION A1745526
 VERSION A1745526.1 GI:5111814
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 721)
 AUTHORS NCI-CCAP http://www.ncbi.nlm.nih.gov/ncicqap.
 TITLE National Cancer Institute, Cancer Genome Anatomy Project (CCAP),
 Tumor Gene Index
 JOURNAL Unpublished (1997)
 COMMENT contact: Robert Strausberg, Ph.D.
 Email: rgsb@mail.nih.gov
 Tissue Procurement: Michael J. Brownstein, M.D., Ph.D., Michael R.
 Emmert-Buck, M.D., Ph.D.
 cDNA Library Preparation: M. Bento Soares, Ph.D.
 DNA Sequencing by: Greg Lennon, Ph.D.
 DNA Sequencing by: Washington University Genome Sequencing Center
 Clone distribution: NCI-CCAP clone distribution information can be
 found through the I.M.A.G.E. Consortium/ILNI, at:
 www.bio.lit.gov/brfp/image.html
 Insert length: 826 Std Error: 0.00
 Seq primer: 400p from Gibco
 High quality sequence stop: 448.

FEATURES
 source location/Qualifiers
 1..721
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone_lib="NCI-CCAP-pr28"
 /sex="male"
 /dev_stage="adult"

/sex="male"
 /dev_stage="adult"
 /lab_host="DHI08"
 /note="Jordan: prostate; Vector: p773D-pac (Pharmacia)
 with a modified polylinker. Plasmid DNA from the
 normalized library NCI-CCAP-pr28 was prepared, and ss
 circles were made in vitro, following DNA purification,
 this DNA was used as tracer in a subtractive hybridization
 reaction. The driver was PCR-amplified cDNAs from a pool
 of 5,000 clones made from the same library (clonets
 985608-986759, 1101192-1101959, and 1217928-1220615).
 Subtraction by Bento Soares and M. Patricia Bonaldo."

BASE COUNT 122 a 197 c 241 g 156 t
 ORIGIN
 alignment_scores:
 Quality: 33.00 Length: 33
 Ratio: 1.000 Gaps: 0
 Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
 US-09-126-945b-2_copy_2_335 x A1745526/rev
 Align seq 1/1 to reverse of: A1745526 from: 1 to: 721

279 LysIleGlnAspSerArgIleValAlaArgLeuTrpGlyIleArgLysAs 295
 |||||||
 642 AAATTCAGGACGTCAGTCGAGTGGCGCCGATCGCAAGCA 593
 295 nArGPrOAlAmcTAsnTyrAspIysIeGsrArgSerIleArgGlnTyr 311
 |||||||
 592 CCGTCCCGCAATGACTGACAAAGCTGACGCGCTGACATCGCCACATAT 544

seq_name: qb_est87:BF446190

seq_documentation_block:

LOCUS BF446190 625 bp mRNA EST 01-DEC-2000
 DEFINITION 7p3108.x1 NCI-CCAP-pr28 Homo sapiens cDNA clone IMAGE:3647751 3'
 similar to PR-095238 095238 ETS TRANSCRIPTION FACTOR PDEF ; mRNA
 sequence.

ACCESSION BF446190
 VERSION BF446190.1 GI:11511328
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 625)
 AUTHORS NCI-CCAP http://www.ncbi.nlm.nih.gov/ncicqap.
 TITLE National Cancer Institute, Cancer Genome Anatomy Project (CCAP),
 Tumor Gene Index
 JOURNAL Unpublished (1997)
 COMMENT contact: Robert Strausberg, Ph.D.
 Email: rgsb@mail.nih.gov
 Tissue Procurement: Michael J. Brownstein, M.D., Ph.D., Michael R.
 Emmert-Buck, M.D., Ph.D.
 cDNA Library Preparation: M. Bento Soares, Ph.D.
 DNA Sequencing by: Greg Lennon, Ph.D.
 DNA Sequencing by: Washington University Genome Sequencing Center
 Clone distribution: NCI-CCAP clone distribution information can be
 found through the I.M.A.G.E. Consortium/ILNI, send email to:
 info@image.lit.gov
 Seq primer: 400p from Gibco
 High quality sequence stop: 460.

FEATURES
 source location/Qualifiers
 1..625
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone_lib="NCI-CCAP-pr28"
 /sex="male"
 /dev_stage="adult"

/lab_host="DH10B"
 /note="Organ: prostate; Vector: pT73D-Pac (Pharmacia)
 with a modified polylinker; Plasmid DNA from the
 normalized library NCI-CGAP_P122 was prepared, and ss
 clones were made in vitro. Following HAP purification,
 this DNA was used as tracer in a subtractive hybridization
 reaction. The driver was PCR-amplified cDNAs from a pool
 of 5,000 clones made from the same library (clones IDs
 985608-986759, 1101192-1101959, and 1217928-1228615).
 Subtraction by Benito Soares and M. Patricia Ronaldo."

BASE COUNT 113 a 174 c 202 g 135 t 1 others

ORIGIN

alignment_scores:
 quality: 32.00 length: 32
 Ratio: 1.000 Gaps: 0
 Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:

US-09-126-945b-2_copy_2_335 x BF446196/rev

Align seq 1/1 to reverse of: BF446190 from: 1 to: 625

303 LysleuSerArgSerIleArgGlnTyrTyrLysGlyIleIleArgIly 319
 |||
 581 AAGCTGAGCCGCTCCATCCGCCATATTACAGAGCGCATCATCCGAA 532

seq_name: qb_cst189:BF579116

seq_documentation_block:

LOCUS BF579116 2064 bp mRNA EST 12-DEC-2000

DEFINITION 602096650P1 NCI_CGAP_0624 Mus musculus cDNA clone IMAGE:4215901 5',

ACCESSION BF579116

VERSION BF579116.1 GI:11652828

KEYWORDS EST.

SOURCE house mouse.

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sclurognathi; Muridae; Mus;

1 (bases 1 to 2064)

NIH-MDC http://mgi.mgi.nih.gov/

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

Contact: Robert Strausberg, Ph.D.

Email: cgarbs@mail.nih.gov

Tissue Procurement: Jeffrey E. Green, M.D.

cDNA Library Preparation: Life Technologies, Inc.

cDNA Library Arrayed by: The I M A G E Consortium (LIML)

DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can be

found through the I.M.A.G.E. Consortium/LIML at:

http://image.llnl.gov

Plate: LLAM9792 row: d column: 14

High quality sequence stop: 645.

Location/Qualifiers

1. 2064

/organism="Mus musculus"

/strain="FVB/N"

/db_xref="taxon:10090"

/clone="IMAGE:4215901"

/lab_host="NCI-CGAP-Co24"

/note="Organ: prostate; Vector: pT73D-Pac (Pharmacia)
 with a modified polylinker; Plasmid DNA from the
 normalized library NCI-CGAP_P122 was prepared, and ss
 clones were made in vitro. Following HAP purification,
 this DNA was used as tracer in a subtractive hybridization
 reaction. The driver was PCR-amplified cDNAs from a pool
 of 5,000 clones made from the same library (clones IDs
 985608-986759, 1101192-1101959, and 1217928-1228615).
 Subtraction by Benito Soares and M. Patricia Ronaldo."

ORIGIN

alignment_scores:
 quality: 32.00 length: 32
 Ratio: 1.000 Gaps: 0
 Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:

US-09-126-945b-2_copy_2_335 x BF579116

Align seq 1/1 to: BF579116 from: 1 to: 2064

115 GluHisSerLeuGlnValGlnSerMetValValGlyValLeuIly 131
 |||
 302 GAGGACTGGCTAGAGAGGATGATGATGATGATGATGATGATGAT 351

131 SASPIIeGltThrAlaGlySerLeuLeuValIleThrAlaAspPro 146

352 AGATATTAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 397

